

CLAIMS

1. (Previously Presented) A call context processor, comprising:
a header extractor configured to extract a header from information extracted from initial call establishment negotiation;
a header compressor configured to compress only relevant portions of the extracted header; and
an identification module configured to establish context identification using the compressed relevant portions of the header.
2. (Original) The call context processor of claim 1, wherein the identification module associates the context identification with a bearer channel of a call established from the initial call establishment negotiation.
3. (Previously Presented) The call context processor of claim 1, wherein the compressed relevant portion of the extracted header will be transmitted to a remote unit with a payload wherein the header compressor not compressing portions of the header that will not be transmitted to the remote unit with the payload.
4. (Original) The call context processor of claim 1, wherein the header compressor compresses only a payload type header field.
5. (Original) The call context processor of claim 1, the header being an RTP, UDP, IP header.
6. (Original) The call context processor of claim 1, wherein the call context processor extracts information by processing a create connection message and an associated session data protocol header from the initial call establishment negotiation.
7. (Previously Presented) A transmission network, comprising:

a network; and

a base connected to the network that includes a call context processor, the call context processor comprising:

a header extractor configured to extract a header from information extracted from initial call establishment negotiation;

a header compressor configured to compress only relevant portions of the extracted header; and

an identification module configured to establish context identification using the compressed relevant portions of the header.

8. (Original) The transmission network of claim 7, wherein the base transfers data to a remote unit via airlink access.

9. (Previously Presented) A call context processing method, comprising:

extracting a header from information extracted from initial call establishment negotiation;

compressing only relevant portions of the extracted header; and

establishing context identification using the compressed relevant portions of the header.

10. (Original) The call context processing method of claim 9, further comprising associating the context identification with a channel of a call established from the initial call establishment negotiation.

11. (Previously Presented) The call context processing method of claim 9, further comprising transmitting a payload and the relevant portions of the extracted header to a remote unit.

12. (Original) The call context processing method of claim 9, wherein only a payload type header field is compressed.

13. (Original) The call context processing method of claim 9, the header being an RTP, UDP, IP header.

14. (Original) The call context processing method of claim 9, wherein extracting information from initial call establishment negotiation, and establishing the context identification are performed at a base of a transmission network.

15. (Original) The call context processing method of claim 14, wherein a remote unit accesses the base via airlink.

16. (Original) The call context processing method of claim 9, wherein extracting information comprises processing a create connection message and an associated session data protocol header from the initial call establishment negotiation.

17. (Previously Presented) A machine-readable medium having stored thereon a plurality of executable instructions, the plurality of instructions comprising instructions to:

extract a header from information extracted from initial call establishment negotiation;

compress only relevant portions of the extracted header; and

establish context identification using the compressed relevant portions of the header.

18. (Original) The machine-readable medium of claim 17, having stored thereon additional executable instructions, the additional instructions comprising instructions to associate the context identification with a channel of a call established from the initial call establishment negotiation.

19. (Previously Presented) The machine-readable medium of claim 17, further comprising instructions to transmit a payload and the relevant portions of the extracted header to a remote unit.

20. (Original) The machine-readable medium of claim 17, wherein only a payload type header field is compressed.

21. (Original) The machine-readable medium of claim 17, the header being an RTP, UDP, IP header.

22. (Original) The machine-readable medium of claim 17, wherein extracting information from initial call establishment negotiation, and establishing the context identification are performed at a base of a transmission network.

23. (Original) The machine-readable medium of claim 22, wherein a remote unit accesses the base via airlink.

24. (Original) The machine-readable medium of claim 17, wherein the instructions to extract information comprises instructions to process a create connection message and an associated session data protocol header from the initial call establishment negotiation.

25. (Previously Presented) A call processing method, comprising:
extracting a header from information extracted from initial call establishment negotiation;
combining only relevant portions of the extracted header and a payload portion; and
transmitting only the relevant portions of the extracted header and the payload portion to a remote unit.

26. (Previously Presented) The method of claim 25, further comprising compressing the relevant portions of the extracted header.

27. (Previously Presented) The method of claim 26 wherein compressing the relevant portions of the extracted header is performed prior to combining the relevant portions of the extracted header with the payload portion.

28. (Previously Presented) The method of claim 25, further comprising establishing a call context using the relevant portions of the extracted header.

29. (Previously Presented) The method of claim 25 wherein the relevant portions of the extracted header are required for transmission of the payload to the remote unit.

30. (Previously Presented) The method of claim 25 wherein portions of the extracted header not required by the remote unit are not transmitted to the remote unit.

31. (Previously Presented) The method of claim 30 wherein the irrelevant portions of the extracted header are not required for transmission of the payload to the remote unit.